

ABSTRACT

An object of the present invention is to provide an optical fiber base material and a connection processing method and apparatus capable of simply connecting ends of an optical fiber base material and a dummy member with a large diameter at short times without breaking and crack in a connected portion when heating and melting the ends of them to weld and connect both. A connection processing method of an optical fiber base material 1 for heating and melting ends of an optical fiber base material 1 and a dummy member 2 or ends of two optical fiber base materials 1 or ends of two dummy members 2 to weld and connect both. The connection processing method includes: gripping an end of at least one of the bodies to be welded with gripping mechanism to face both with each other; selecting the interval between both the bodies to be welded within 1 to 20mm; and heating and melting ends of both the bodies to be welded to weld and connect both.